

L Number	Hits	Search Text	DB	Time stamp
1	2922	("514/183,299,225.2,226").CCLS	USPAT	2004/02/28 13:54
2	489	("544/14,35,41,44").CCLS	USPAT	2004/02/28 13:55
3	517	("548/566,579").CCLS	USPAT	2004/02/28 13:55
4	1321	("546/152,159").CCLS	USPAT	2004/02/28 13:56
5	0	((("514/183,299,225.2,226").CCLS) and ((("544/14,35,41,44").CCLS) and (("548/566,579").CCLS) and ((("546/152,159").CCLS)	USPAT	2004/02/28 13:56
6	0	((("514/183,299,225.2,226").CCLS) and phenothiazine and malaria	USPAT	2004/02/28 13:56
8	0	((("548/566,579").CCLS) and phenothiazine) and malaria	USPAT	2004/02/28 13:57
7	5	((("548/566,579").CCLS) and phenothiazine	USPAT	2004/02/28 13:57

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NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields  
NEWS 19 DEC 22 ABI-INFORM now available on STN  
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated and searchable  
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/CAPlus  
NEWS 22 FEB 05 German (DE) application and patent publication number format changes

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=> file reg		
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FULL ESTIMATED COST	0.21	0.21

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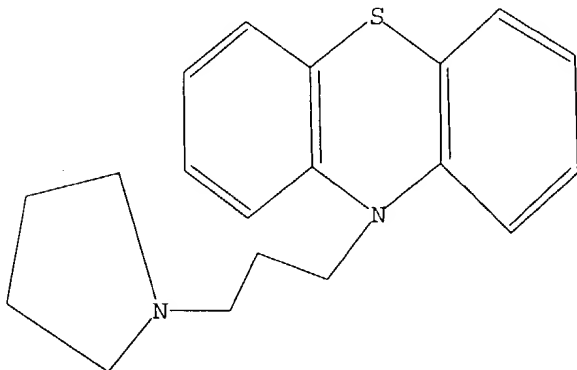
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Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>  
Uploading c:\program files\stnexp\queries\09849400.5

L1 STRUCTURE UPLOADED

=> d l1  
L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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=> s l1 sss full
FULL SEARCH INITIATED 13:39:26 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 4776 TO ITERATE
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100.0% PROCESSED      4776 ITERATIONS      149 ANSWERS
SEARCH TIME: 00.00.01
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L2      149 SEA SSS FUL L1
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COST IN U.S. DOLLARS      SINCE FILE      TOTAL
                           ENTRY      SESSION
FULL ESTIMATED COST      155.42      155.63
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FILE 'CAPLUS' ENTERED AT 13:39:32 ON 28 FEB 2004
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FILE COVERS 1907 - 28 Feb 2004 VOL 140 ISS 10
FILE LAST UPDATED: 27 Feb 2004 (20040227/ED)
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This file contains CAS Registry Numbers for easy and accurate substance identification.

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L3      108 L2
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=> s l3 and malaria
L4      0 L3 AND MALARIA
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=> s l3 and diseases
L5      1 L3 AND DISEASES
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=> s l3 and compositions
L6      1 L3 AND COMPOSITIONS
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```
=> s l5 and l6
L7      0 L5 AND L6
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=> s l5 and malaria
L8      0 L5 AND MALARIA
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=> s 16 and malaria  
L9 0 L6 AND MALARIA  
  
=> s 13 and benzothiazine  
L10 4 L3 AND BENZOTHAIAZINE  
  
=> d his

(FILE 'HOME' ENTERED AT 13:38:56 ON 28 FEB 2004)

FILE 'REGISTRY' ENTERED AT 13:39:04 ON 28 FEB 2004

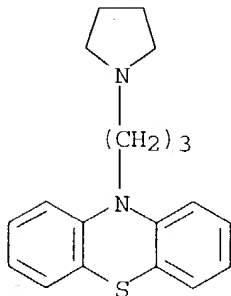
L1 STRUCTURE UPLOADED  
L2 149 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 13:39:32 ON 28 FEB 2004

L3 108 S L2  
L4 0 S L3 AND MALARIA  
L5 1 S L3 AND DISEASES  
L6 1 S L3 AND COMPOSITIONS  
L7 0 S L5 AND L6  
L8 0 S L5 AND MALARIA  
L9 0 S L6 AND MALARIA  
L10 4 S L3 AND BENZOTHAIAZINE

=> d 110 fbib hitstr abs total

L10 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1964:12388 CAPLUS  
DN 60:12388  
OREF 60:2219g-h,2220a-b  
TI Antiarrhythmic action of phenothiazine derivatives. III: The relation between chemical structure and antiarrhythmic action and side effects as well as clinical results  
AU Yoshitani, Hideichi  
CS Hokkaido Univ., Sapporo  
SO Japan. Circulation J. (1963), 27(6), 487-98  
DT Journal  
LA Unavailable  
IT 3733-37-7, Phenothiazine, 10-[3-(1-pyrrolidinyl)propyl]- (heart arrhythmia response to)  
RN 3733-37-7 CAPLUS  
CN Phenothiazine, 10-[3-(1-pyrrolidinyl)propyl]- (6CI, 7CI, 8CI) (CA INDEX NAME)



AB cf. CA 59, 9218h. The antiarrhythmic action of 23 phenothiazine (I) derivs., on extrasystoles produced in dogs of about 10 kg. weight by intravenous injection of Na thiopental (0.025 g./kg.) and 2% BaCl<sub>2</sub> (1.5 mg./kg.), were compared using chlorpromazine (II) as a standard (0.01-10.0 mg./kg. used). 10-[3-(1-Pyrrolidinyl)propyl]phenothiazine-HCl (4695 R.P.) (III) was more effective than, promazine and acepromazine were equally effective as, 3-cyano-10-(3-dimethylamino-2-methylpropyl)phenothiazine (7204 R.P.), trimeprazine, methotrimeprazine, 3-chloro-10-(3-diethylaminopropyl)phenothiazine (4909 R.P.), perphenazine, prochlorperazine, and chlorpromazine S-oxide were less effective than, and phenethazine, 10-(2-dimethylamino-1-methylethyl)phenothiazine (4460 R.P.), diethazine, proquamazine, 10-(2,3-dipiperidinopropyl)phenothiazine (7145 R.P.), 10-(3-dimethylamino-2-methylpropyl)phenothiazine (3300 R.P.), promethazine, and thioridazine were much less effective than II. It seemed that changes in the length and branching of the C chain at position 10 (the N atom) of I corresponded to changes in potency of antiarrhythmic action but changes in the group substituted at position 3 seemed, in general, to have no effect. Changing the dimethylamino group of II to a pyrrolidinyl group greatly enhanced the antiarrhythmic action but neither a piperazine nor a piperidine group showed any effect in this position. Side effects such as drowsiness and toxicity seemed unrelated to antiarrhythmic potency, though, in general, when antiarrhythmic action was weak these side effects were also weak. However, the strongly antiarrhythmic III showed little toxicity or sedative action. When II was used in conjunction with procaine amide or with quinidine, antiarrhythmic potency was enhanced.

L10 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1962:483237 CAPLUS

DN 57:83237

OREF 57:16603b-h

TI Syntheses in the phenothiazine series

AU Profft, Elmar; Kasper, Franz

CS Tech. Hochschule Chemie, LeunaMerseburg, Germany

SO Arzneimittel-Forschung (1962), 12, 48-52

CODEN: ARZNAD; ISSN: 0004-4172

DT Journal

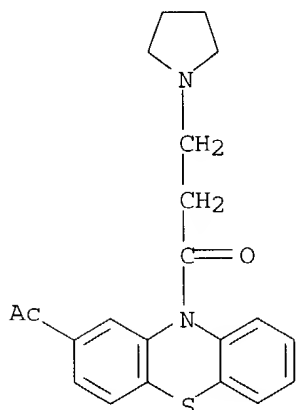
LA Unavailable

OS CASREACT 57:83237

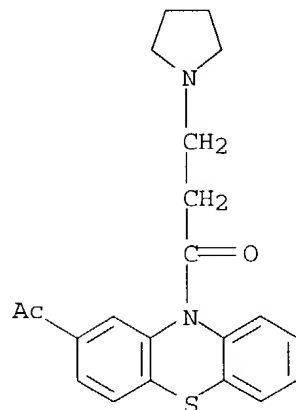
IT **94862-16-5**, Phenothiazine, 2-acetyl-10-[3-(1-pyrrolidinyl)propionyl]- **99999-70-9**, Phenothiazine, 2-acetyl-10-[3-(1-pyrrolidinyl)propionyl]-, hydrochloride (preparation of)

RN 94862-16-5 CAPLUS

CN Phenothiazine, 2-acetyl-10-[3-(1-pyrrolidinyl)propionyl]- (7CI) (CA INDEX NAME)



RN 99999-70-9 CAPLUS

CN Phenothiazine, 2-acetyl-10-[3-(1-pyrrolidinyl)propionyl]-, hydrochloride  
(7CI) (CA INDEX NAME)

● HCl

GI For diagram(s), see printed CA Issue.

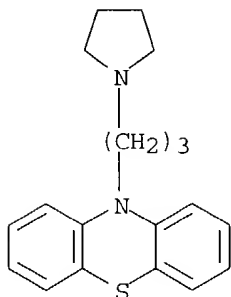
AB Improved methods for the synthesis of 3-acyl derivs. of phenothiazine (I) are reported. Whereas Friedel-Crafts reaction with the 10-acetyl derivative of I gives only impure 3-acyl derivs. in poor yield, reaction with 10-chloroacetyl or 10-chloropropionyl derivs. gives much better yields of pure products. The following diacyl derivs. of I were prepared (m.p. derivative

and of phenylhydrazones given): 2,10-diacetyl, 105-6°, 205-6° 2-acetyl-10-propionyl, 127-8°, 172-3°; 2-acetyl-10-chloroacetyl, 145-6°, 175-6°; 2-acetyl-10-(β-chloropropionyl, 148-9°, 192-3°; 2-chloroacetyl-10-acetyl, 171-2°, -; 2-chloroacetyl-10-chloroacetyl, 195-6°; 2-bromoacetyl-10-acetyl, 165-7°, -; 2-bromoacetyl-10-chloroacetyl, 184-5°, -. 2-Acetylphenothiazine phenylhydrazone m. 253-4°. Friedel-Crafts reaction with acyl

chlorides of dibasic acids gave II (n, R, % yield, and phys. data given): 4, Ac, 32.2, m. 160° (decomposition); 5, Ac, 47.8, m. 125° (decomposition); 8, Ac, 52.4, m. 155° (decomposition); 4, propionyl, 46.2, light green sirup; 5, propionyl, 70.0, m. 186-7° (decomposition); 8, propionyl, 72.8, m. 170-1° (decomposition); 4, 3-chloropropionyl, 41.7, brown sirup; 5, 3-chloropropionyl, 51.8, brown sirup; 8, 3-chloropropionyl, 61.5, yellow-green oil; 4, chloroacetyl, 45.3, green oil; 5, chloroacetyl, 59.4, yellow-brown sirup; 8, chloroacetyl, 67.0, green sirup. Reaction of 2-acetyl-10-haloacyl derivs. of I with secondary amines gave III (n, R, % yield, m.p. of base, m.p. of HCl salt, m.p. of styphnate, and m.p. of reineckate given): 1, Et2N, 77.0, - (yellow oil), 210-12°, 143-4°, 166-7°; 1, Bu2N, 65.6, - (yellow oil), 200-2°, 184-5°, 176-7°; 1, piperidino, 89.5, 112-13°, 224-5°, 165-6°, 208-10°; 1, 4-ethylpiperidino, 76.0, 100-2°, 148-50°, 120-1°, 153-5°; 1, morpholino, 96.2, 147-8°, 170-1°, 241-3°, 218-20°; 1, pyrrolidino, 87.2, 115-16°, 176-8°, 132-3°, 203-5°; 2, Et2N, 60.5, - (yellow oil), 128-30°, 106-7°; 126-7°; 2, Bu2N, 61.2, - (yellow sirup), 189-90°, 134-6°, 146-8°; 2, piperidino, 78.0, - (solid sticky mass), 168-9°, 110-12°, 180-2°; 2, morpholino, 72.8, 133-4°, 155-7°, 126-7°, 183-4°; 2, pyrrolidino, 78.0, - (solid sticky), 168-9°, 116-17°, 192-4°. All styphnates and reineckates m. with decomposition. The secondary amines showed good pharmacol. properties with low toxicity.

L10 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1962:459195 CAPLUS  
DN 57:59195  
OREF 57:11788g-i  
TI Antiarrhythmic action of phenothiazine derivatives  
AU Sato, Tatsuo; Tanabe, Yoshinori  
CS Hokkaido Univ., Sapporo  
SO Japan. Circulation J. (1962), 26, 210-24  
DT Journal  
LA Unavailable  
IT **98845-25-1**, Phenothiazine, 10-[3-(1-pyrrolidinyl)propyl]-, hydrochloride  
(heart arrhythmia inhibition by)  
RN 98845-25-1 CAPLUS  
CN Phenothiazine, 10-[3-(1-pyrrolidinyl)propyl]-, hydrochloride (6CI, 7CI)  
(CA INDEX NAME)





●x HCl

AB Expts. in dogs demonstrated that intravenous injection of chlorpromazine (I) (1 mg./kg.) can stop ventricular extrasystole and tachycardia induced by thiopental and BaCl<sub>2</sub> solution I or promazine was highly effective on clin. extrasystole, but no effects were observed on auricular fibrillation. From assessment of the antiarrhythmic activity of 21 phenothiazine derivs., a close relation was found between chemical structure and the effectiveness of the drugs. Among the drugs tested, 4695 RP was the most potent. The topical application of I resulted in immediate termination of ventricular tachycardia, but sympathetic blockade reduced the effect of I. Therefore, it was concluded that the antiarrhythmic action of I is dependent partly on its direct depressant action upon the foci and partly on its indirect action through sympathetic nerves. In the excitability of the dog heart, phenothiazine derivs. increase the threshold with min. influence on the refractory period.

L10 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1960:118429 CAPLUS

DN 54:118429

OREF 54:22688d-f

TI Phenothiazine derivatives

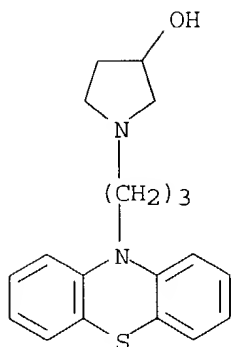
PA Abbott Laboratories

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 834370		19600504	GB	
IT	94308-98-2, 3-Pyrrolidinol, 1-(3-phenothiazin-10-ylpropyl)- (and derivs.)				
RN	94308-98-2 CAPLUS				
CN	3-Pyrrolidinol, 1-(3-phenothiazin-10-ylpropyl)- (6CI, 7CI) (CA INDEX NAME)				



GI For diagram(s), see printed CA Issue.

AB The preparation of 10-(3-hydroxy- and 3-acyloxypyrrolidino)alkylphenothiazine compds., useful as serotonin antagonists and as tranquilizers, was described, by heating equimolar amts. of ClCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>O (I) and 10-aminoalkylphenothiazines (CA 50, 12120d) in the presence of a base and then treating the OH compds. formed with aliphatic acid anhydrides. 10-(3-Aminopropyl)phenothiazine (51.3 g.) and 11.2 g. KOH (as 50% aqueous solution) heated and stirred at 100°, treated dropwise during 2-3 hrs. with 21.3 g. I, the mixture heated 2 hrs. at 110°, cooled to 60°, treated with H<sub>2</sub>O, extracted with CHCl<sub>3</sub>, the CHCl<sub>3</sub> solution extracted with dilute HCl (an oil separated from the mixture), the combined oil and aqueous

layer

made alkaline with aqueous Na<sub>2</sub>CO<sub>3</sub>, extracted with CHCl<sub>3</sub>, the extract dried, and concentrated

gave 35 g. 10-[3-(3-hydroxypyrrolidino)propyl]phenothiazine (II), glassy residue; methiodide m. 152-3° (absolute EtOH). II (3 g.) dissolved in 10 cc. Ac<sub>2</sub>O by gentle heating, the solution allowed to stand until cool, poured into H<sub>2</sub>O, allowed to stand until separation of an oil was complete, the mixture extracted with CHCl<sub>3</sub>, the extract dried, and concentrated gave 3-Ac derivative of II,

glassy residue; oxalate m. 155-7° (absolute EtOH).

=> d 15 fbib hitstr abs total

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1961:137508 CAPLUS

DN 55:137508

OREF 55:25952b-g

TI Ethynylation of several amino ketone derivatives of phenothiazine

AU Schmitt, Josef; Suquet, Michel; Brunaud, Marcel; Callet, Georges

CS Centre recherches etab. Clin-Byla, Paris

SO Bulletin de la Societe Chimique de France (1961) 1140-4

CODEN: BSCFAS; ISSN: 0037-8968

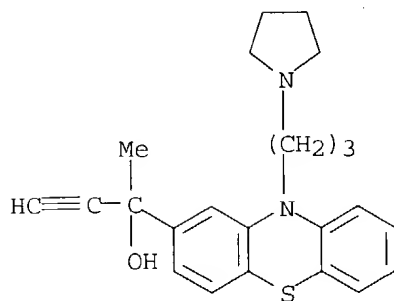
DT Journal

LA Unavailable

IT **102654-77-3**, Phenothiazine-2-methanol, α-ethynyl-α-methyl-10-[3-(1-pyrrolidinyl)propyl]- **117986-28-4**, Phenothiazine-2-methanol, α-ethynyl-α-methyl-10-[3-(1-pyrrolidinyl)propyl]-, oxalate (preparation of)

RN 102654-77-3 CAPLUS

CN Phenothiazine-2-methanol, α-ethynyl-α-methyl-10-[3-(1-pyrrolidinyl)propyl]- (6CI) (CA INDEX NAME)



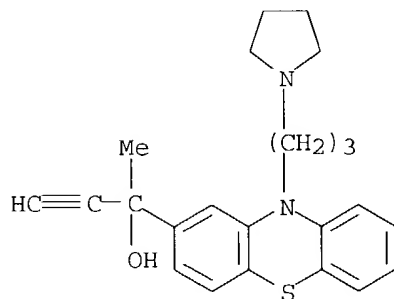
RN 117986-28-4 CAPLUS

CN Phenothiazine-2-methanol,  $\alpha$ -ethynyl- $\alpha$ -methyl-10-[3-(1-pyrrolidinyl)propyl]-, oxalate (6CI) (CA INDEX NAME)

CM 1

CRN 102654-77-3

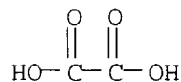
CMF C23 H26 N2 O S



CM 2

CRN 144-62-7

CMF C2 H2 O4



GI For diagram(s), see printed CA Issue.

AB The preparation and physiol. properties of several I were described. Acetylene, chilled and washed with H<sub>2</sub>SO<sub>4</sub>, was introduced into 120 cc. Me<sub>2</sub>NCHO and 12 g. freshly pulverized NaNH<sub>2</sub> at -14°, 48.9 g. 2-acetylpromazine in 90 cc. Me<sub>2</sub>NCHO was added dropwise while the acetylene flow was continued, the mixture was allowed to warm, kept 2.5 hrs., filtered, diluted, and extracted with ether to give I [R = Me, R' = Me<sub>2</sub>N(CH<sub>2</sub>)<sub>3</sub>] (II), m. 108-10°, b<sub>0.05</sub> 260° (decomposition), separated as 49 g. acid

maleate, m. 150-1°, or 80% acid oxalate, m. 163°. Other I obtained as viscous oils similarly were (R, R', % yield, derivative, and m.p. of derivative listed): Et, Me<sub>2</sub>N(CH<sub>2</sub>)<sub>3</sub> (III), 50, oxalate, 172° (decomposition); Et, Me<sub>2</sub>NCHMeCH<sub>2</sub> (IV), -, fumarate, 171-5° (decomposition); Me, (CH<sub>2</sub>)<sub>4</sub>.N(CH<sub>2</sub>)<sub>3</sub> (V), -, oxalate, 153°; Me, (CH<sub>2</sub>)<sub>2</sub>.NMe.(CH<sub>2</sub>)<sub>2</sub>.N(CH<sub>2</sub>)<sub>3</sub> (VI), 64, dimaleate, 162° (decomposition); Et, (CH<sub>2</sub>)<sub>2</sub>.NMe.(CH<sub>2</sub>)<sub>2</sub>.N(CH<sub>2</sub>)<sub>3</sub> (VII), 60-70, dimaleate, 165° (decomposition). Hydrogenation of 10.6 g. II in absolute alc. over Pd-C treated with quinoline until 1 mole H was absorbed gave 8.6 g. 2-(1-hydroxy-1-methyl-2-propenyl)promazine (VIII), m. 137-8° (MeOH). Hydrogenation of 29.3 g. II over Pd-C gave 2-(1-hydroxy-1-methylpropyl)promazine (IX), m. 98-9°, separated as 33.8 g. acid fumarate, m. 155°; acid oxalate m. 183°. Toxicities (L.D.<sub>50</sub>, mg./kg.) when given subcutaneously in the mouse were: II, about 160; III, 80; IV, above 500; V, 80; VI, 200-400; VII-IX, above 160. II, V, and VI were most effective in increasing hexobarbital narcosis. II, V, and VIII induced catatonic depression and loss of equilibrium in the mouse. In the cat or dog, II-IX diminished or reversed the effects of adrenaline and noradrenaline. Only IV and V induced substantial hypotension. III-VII diminished the action of histamine, while only IV and V reduced the action of acetylcholine.

=> d 16 fbib hitstr abs total

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1981:84144 CAPLUS  
 DN 94:84144  
 TI Phenothiazine derivatives and antipsychotic **compositions** containing them  
 IN Hirose, Noriyasu; Kuriyama, Shizuo; Yamatsu, Kiyomi; Kitahara, Akifumi; Uzuo, Takeshi  
 PA Eisai Co., Ltd., Japan  
 SO Ger. Offen., 20 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3006712	A1	19800904	DE 1980-3006712	19800222
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	JP 55111483	A2	19800828	JP 1979-19052	19790222
	NL 8001005	A	19800826	NL 1980-1005	19800219
				JP 1979-19052	19790222
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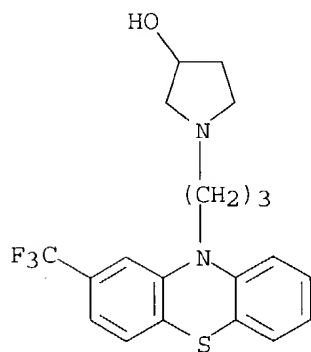
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GB 2073171	B2	19830316	GB 1980-6118	19800222

JP 1979-19052	19790222
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OS CASREACT 94:84144

IT **76602-91-0**RL: RCT (Reactant); RACT (Reactant or reagent)  
(acylation of)

RN 76602-91-0 CAPLUS

CN 3-Pyrrolidinol, 1-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-,  
hydrochloride (9CI) (CA INDEX NAME)

●x HCl

IT **76602-93-2P 76602-95-4P 76602-97-6P**  
**76602-99-8P**RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation and neutralization of)

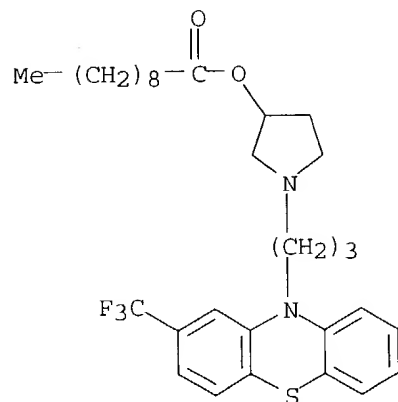
RN 76602-93-2 CAPLUS

CN Decanoic acid, 1-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-3-  
pyrrolidinyl ester, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 76602-92-1

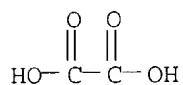
CMF C30 H39 F3 N2 O2 S



CM 2

CRN 144-62-7

CMF C2 H2 O4



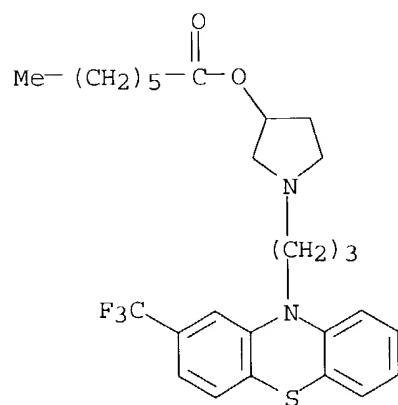
RN 76602-95-4 CAPLUS

CN Heptanoic acid, 1-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-3-pyrrolidinyl ester, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 76602-94-3

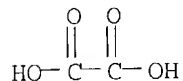
CMF C27 H33 F3 N2 O2 S



CM 2

CRN 144-62-7

CMF C2 H2 O4



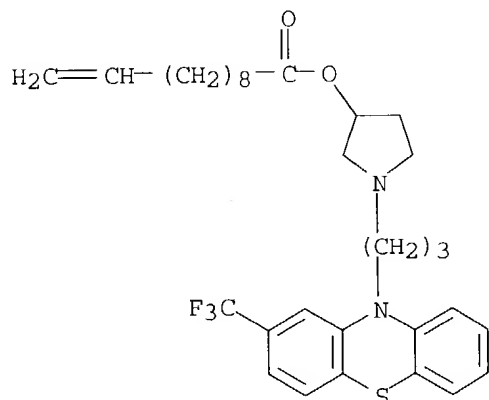
RN 76602-97-6 CAPLUS

CN 10-Undecenoic acid, 1-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-3-pyrrolidiny ester, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 76602-96-5

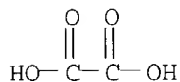
CMF C31 H39 F3 N2 O2 S



CM 2

CRN 144-62-7

CMF C2 H2 O4



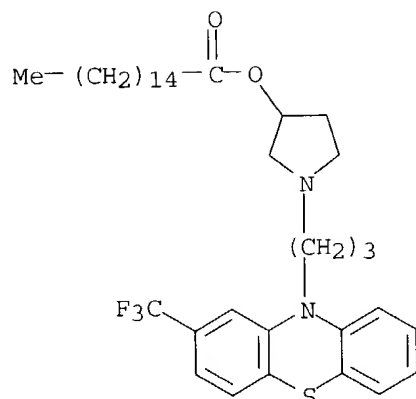
RN 76602-99-8 CAPLUS

CN Hexadecanoic acid, 1-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-3-pyrrolidiny ester, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 76602-98-7

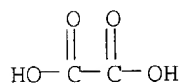
CMF C36 H51 F3 N2 O2 S



CM 2

CRN 144-62-7

CMF C2 H2 O4

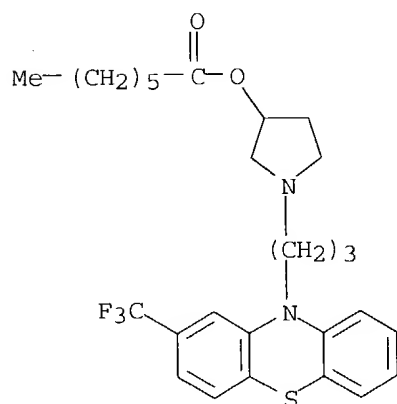


IT 76602-94-3P 76603-00-4P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation and psychotropic activity of)

RN 76602-94-3 CAPLUS

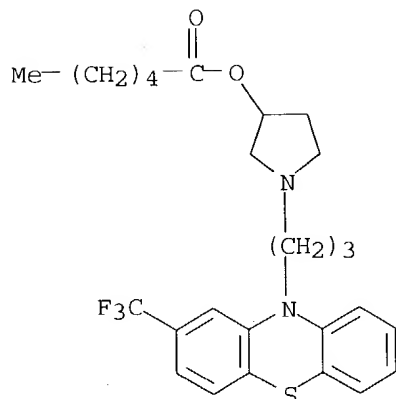
CN Heptanoic acid, 1-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-3-pyrrolidinyl ester (9CI) (CA INDEX NAME)



RN 76603-00-4 CAPLUS

CN Hexanoic acid, 1-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-3-pyrrolidinyl ester (9CI) (CA INDEX NAME)





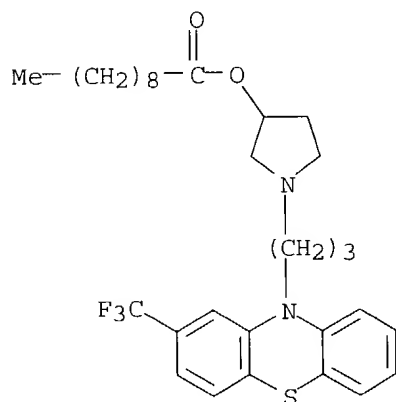
IT 76602-92-1P 76602-96-5P 76602-98-7P

76603-01-5P 76603-02-6P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

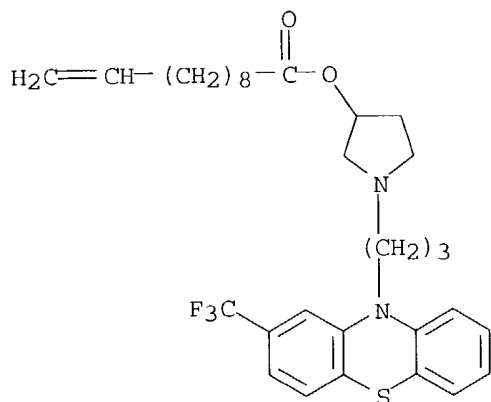
RN 76602-92-1 CAPLUS

CN Decanoic acid, 1-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-3-pyrrolidinyl ester (9CI) (CA INDEX NAME)



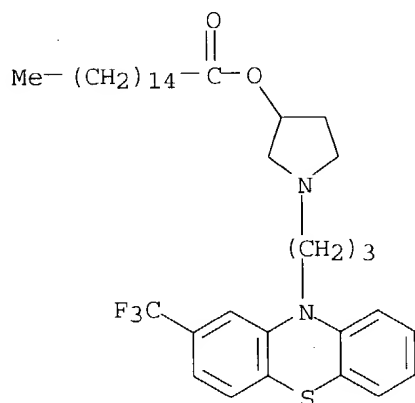
RN 76602-96-5 CAPLUS

CN 10-Undecenoic acid, 1-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-3-pyrrolidinyl ester (9CI) (CA INDEX NAME)



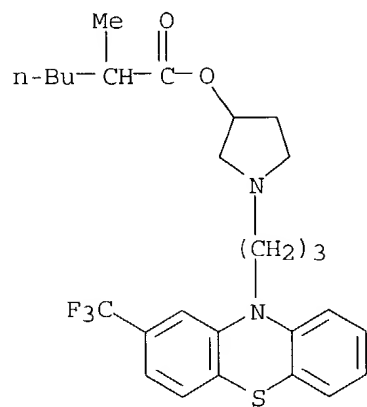
RN 76602-98-7 CAPLUS

CN Hexadecanoic acid, 1-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-3-pyrrolidinyl ester (9CI) (CA INDEX NAME)



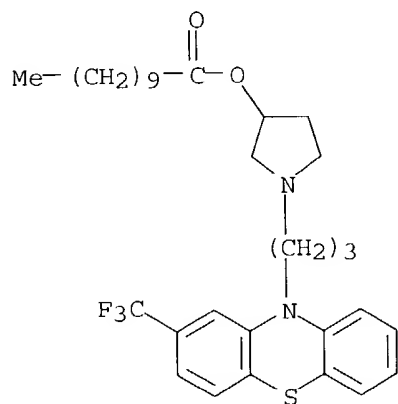
RN 76603-01-5 CAPLUS

CN Hexanoic acid, 2-methyl-, 1-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-3-pyrrolidinyl ester (9CI) (CA INDEX NAME)

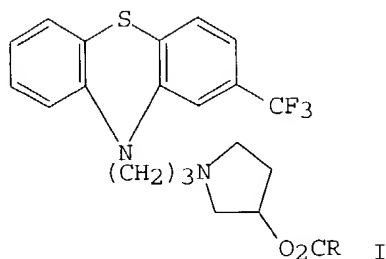


RN 76603-02-6 CAPLUS

CN Undecanoic acid, 1-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-3-pyrrolidiny ester (9CI) (CA INDEX NAME)



GI



AB The esters I (R = C5-15 alkyl, alkenyl) were prepared by esterifying the alc. Thus 8.6 g of the alc. was treated with 3.3 g Me(CH<sub>2</sub>)<sub>5</sub>COCl to give 10.3 g I (R = hexyl) which was isolated as the oxalate and neutralized to the base. At 20 mg/kg s.c. in rats I (R = hexyl) had cataleptic activity which appeared after 5 h and lasted for 8 days.

=&gt; log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

41.63

197.26

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-4.16

-4.16

STN INTERNATIONAL LOGOFF AT 13:42:21 ON 28 FEB 2004